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# PATENT COOPERATION TREATY

From the	JUN 1 1 2002			
To: DENNIS J. DUPRAY SHERIDAN ROSS P.C. 1560 BROADWAY SUITE 1200	SPERIDAN, ROSS PCT			
DENVER, CO 80202-5141-	WRITTEN OPINION  (PCT Rule 66)			
Initial:	Date of Mailing			
Applicant's or agent's file reference Fiease return to Janico	(day/month/year)   REPLY DUE			
4500-1-PC1	within 2 months/days from the above date of mailing			
DCT/MOOM (1 500)	e (day/month/year) Priority date (day/month/year)			
PCT/US01/15394 11 May 2001 (11.05.2 International Patent Classification (IPC) or both national classific	001) 11 May 2000 (11.05.2000)			
IPC(7): G09B 3/00, 7/00 and US Cl.: 434/322	ation and IPC			
Applicant				
J. THOMAS REYNOLDS				
1. This written opinion is the <u>first</u> (first, etc.) drawn by	this International Proliminary			
2. This opinion contains indications relating to the follow	ing items:			
I Basis of the opinion				
II Priority	•			
III Non-establishment of opinion with and the				
Non-establishment of opinion with regard t	o novelty, inventive step and industrial applicability			
IV Lack of unity of invention	_			
V Reasoned statement under Rule 66.2 (a)(ii) citations and explanations supporting such s	with regard to novelty, inventive step or industrial applicability;			
VI Certain documents cited	B F CA			
VII Certain defects in the international applicati	on G S T			
VIII Certain observations on the international ap	plication Piggs 2000 To 1			
3. The applicant is hereby invited to reply to this opinion	A PS			
Basis of the opinion  II Priority  III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  IV Lack of unity of invention  V Reasoned statement under Rule 66.2 (a)(ii) with regard to novelty, inventive step or industrial applicability citations and explanations supporting such statement  VI Certain documents cited  VII Certain defects in the international application  VIII Certain observations on the international application  3. The applicant is hereby invited to reply to this opinion.  When? See the time limit indicated above. The applicant may, before the expiration of that time limit, required this Authority to grant an extension. See rule 66.2(d).				
How? By submitting a written reply, accompa-	nied where appropriess because			
For the form and the language of the amendments, see Rules 66.8 and 66.9.  Also  For an additional opportunity to submit amendments, see Rule 66.4.  For the examiner's obligation to consider amendments and/or arguments, see Rule 66.4 bis.				
will the	Examiner see Rule 66 6			
<ol> <li>The final date by which the international preliminary</li> </ol>	nation report will be established on the basis of this opinion.			
examination report must be established according to Rule 69.2 is: 11 September 2002 (11.09.2002)				
Name and mailing address of the IPFA/IIS				
Commissioner of Patents and Trademarks Box PCT	Valencia Maria W. II Shelia Verrey Levely			
Washington, D.C. 20231 Facsimile No. (703)305-3230	Paralegal Specialist			
Farm DOTUDE LUCA	Telephone No. 703-308-1148 Group 3700			

Form PCT/IPEA/408 (cover sheet)(July 1998)

## PATENT COOPERATION TREATY

o: DENNIS J. DUP HERIDAN ROS 560 BROADW <i>A</i> UITE 1200	SS P.C.		PCT		-	
ENVER, CO	80202-5141			WRITTEN OF	TINION	
				(PCT Rule	66)	
			Date of Mailing (day/month/year)	0 5	JUN 2002	
pplicant's or ag	ent's file reference		REPLY DUE	within 2 months/dathe above date of n		
nternational appl	ication No.	International filing date	(day/month/year)	Priority date (da)		
CT/US01/15394	<u>L</u>	11 May 2001 (11.05.20	001)	11 May 2000 (11	.05.2000)	
nternational Pate	nt Classification (IPC)	or both national classifica				
PC(7): G09B 3/0	00, 7/00 and US Cl.: 4	34/322				
pplicant						
. THOMAS RE	YNOLDS					
1. This v	vritten opinion is the <u>fi</u>	rst (first, etc.) drawn by	this International Pr	eliminary Examinin	ng Authority.	
2. This o	pinion contains indicat	ions relating to the follow	ving items:			
_	<b>.</b>					
I	Basis of the opini	on				
II	Priority					
III	Non-establishmer	nt of opinion with regard	to novelty, inventive	step and industrial	applicability	
IV	Lack of unity of	invention				
` v	Reasoned stateme			elty, inventive step o	or industrial applicability;	
VI	Certain documen					
VII	Certain defects in	the international applica	tion		•	
VIII Certain observations on the international application						
3. The	applicant is hereby invi	ted to reply to this opinion	on.			
Whe	n? See the time	• •	he applicant may, be	fore the expiration	of that time-limit, request	
How	For the form	and the language of the	amendments, see Ru	les 66.8 and 66.9.	nts, according to Rule 66.3.	
Also	For the exam For an infor	ional opportunity to subm niner's obligation to consi mal communication with	ider amendments and the examiner, see Ru	I/or arguments, see ile 66.6		
		rnational preliminary exa		be established on the	ne basis of this opinion.	
4. The	final date by which the fination report must be	international preliminary established according to l	Rule 69.2 is: 11 Sep	tember 2002 (11.09	.2002)	
Name and mai	ling address of the IPE	A/US	Authorized offic	er	Thula / lens	
	ioner of Patents and Tradema		Valencia Mart	in-Wallace	Shelia Veney	
	on, D.C. 20231		- alchem mair		Paralegal Specialist // Group 3700	

Form PCT/IPEA/408 (cover sheet)(July 1998)

### WRITTEN OPINION

International	application No.
DCT/11001/1	5204

I.	. Basis of the opinion	
	. With regard to the elements of the international application:*	
	the international application as originally filed the description: pages 1-112, as originally filed pages NONE, filed with the demand pages NONE, filed with the letter of	
	the claims:  pages NONE , as originally filed pages NONE , as amended (together with any statement) under Article 19 pages 113 -115-6 , filed with the demand pages NONE , filed with the letter of	
	the drawings:  pages 1-15 , as originally filed pages NONE , filed with the demand pages NONE , filed with the letter of  the sequence listing part of the description: pages NONE , as originally filed pages NONE , filed with the demand pages NONE , filed with the demand pages NONE , filed with the letter of	
	<ul> <li>2. With regard to the language, all the elements marked above were available or furnished to this Aut language in which the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language</li></ul>	which is:  1(b)).  tion(under Rules on, the written
	4. The amendments have resulted in the cancellation of:  the description, pages NONE the claims, Nos. NONE the drawings, sheets/fig NONE  This opinion has been drawn as if (some of) the amendments had not been made, since they have been beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).  * Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article this opinion as "originally filed."	

Form PCT/IPEA/408 (Box I) (July 1998)

WR	ITTEN	OPINION

International application No. PCT/US01/15394

STATEMENT			
Noveity (N)	Claims	1-26	YE
2.0		NONE	NO
Inventing Ston (IS)	Claims	1-26	YE
Inventive Step (IS)		NONE	NO
	an i		YE
Industrial Applicability (IA)	Claims	NONE	NO NO
	Claims	NUNE	
	,		

International application No.

WRITTEN OPINION

PCT/US01/15394

#### VI. Certain document cited

1. Certain published documents (Rule 70.10)

Application No
Patent No.
US 6,296,487 B1
US 6,368,111 B2
US 6,341,267 B1
US 6,361,326 B1

Publication Date (day/month/year)
02 October 2001 (02.10.2001)
09 April 2002 (09.04.2002)
22 January 2002 (22.01.2002)
26 March 2002 (26.03.2002)

Filing Date
(day/month/year)
14 June 1999 (14.06.1999)
23 June 1998 (23.06.1998)
02 July 1997 (02.07.1997)
19 February 1999 (19.02.1999)

Priority date (valid claim)
(day/month/year)
NONE
24 June 1997 (24.06.1997)
NONE

20 February 1998 (20.02.1998)

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/month/year)

Form PCT/IPEA/408 (Box VI) (July 1998)

## WRITTEN OPINION

International application No.

PCT/US01/15394

following defects in the	e form or contents of the	international applicat	ion have been no	oted:	
Claim 1 (line 15) is objected to under PCT Rule 66.2(a)(iii) as containing the following defect(s) in the form or contents thereof: There is an extraneous character (i.e) before the word "wherein".					
		•			

II/D	ITTFN	ODI	MON

International application No. PCT/US01/15394

Supplemental Box (To be used when the space in any of the preceding boxes is not sufficient)	
TIME LIMIT: The time limit set for response to a Written Opinion may not be extended. 37 CFR 1.484(d). Any response received after the expiration of the time limit set in the Written Opinion will not be considered in preparing the International Preliminary Examination Report.	
,	

Form PCT/IPEA/408 (Supplemental Box) (July 1998)